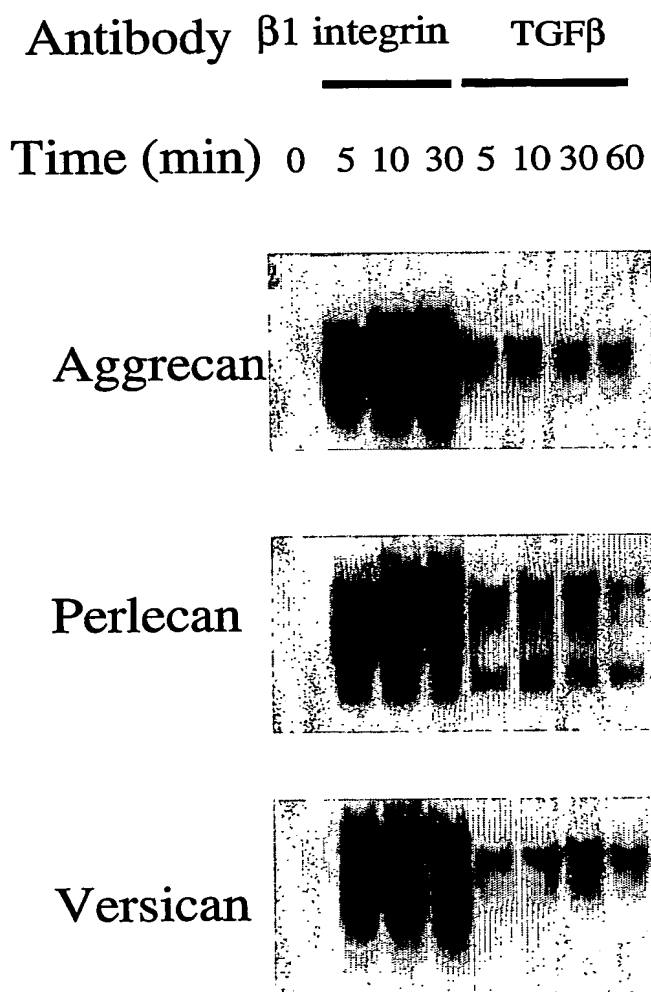


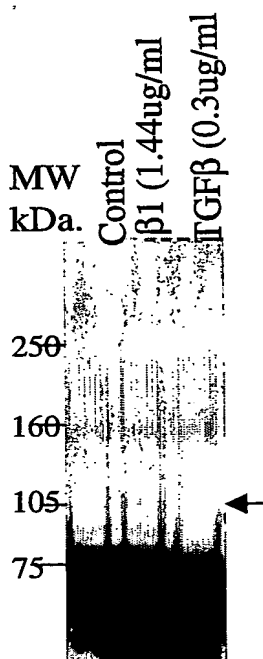
1 / 30

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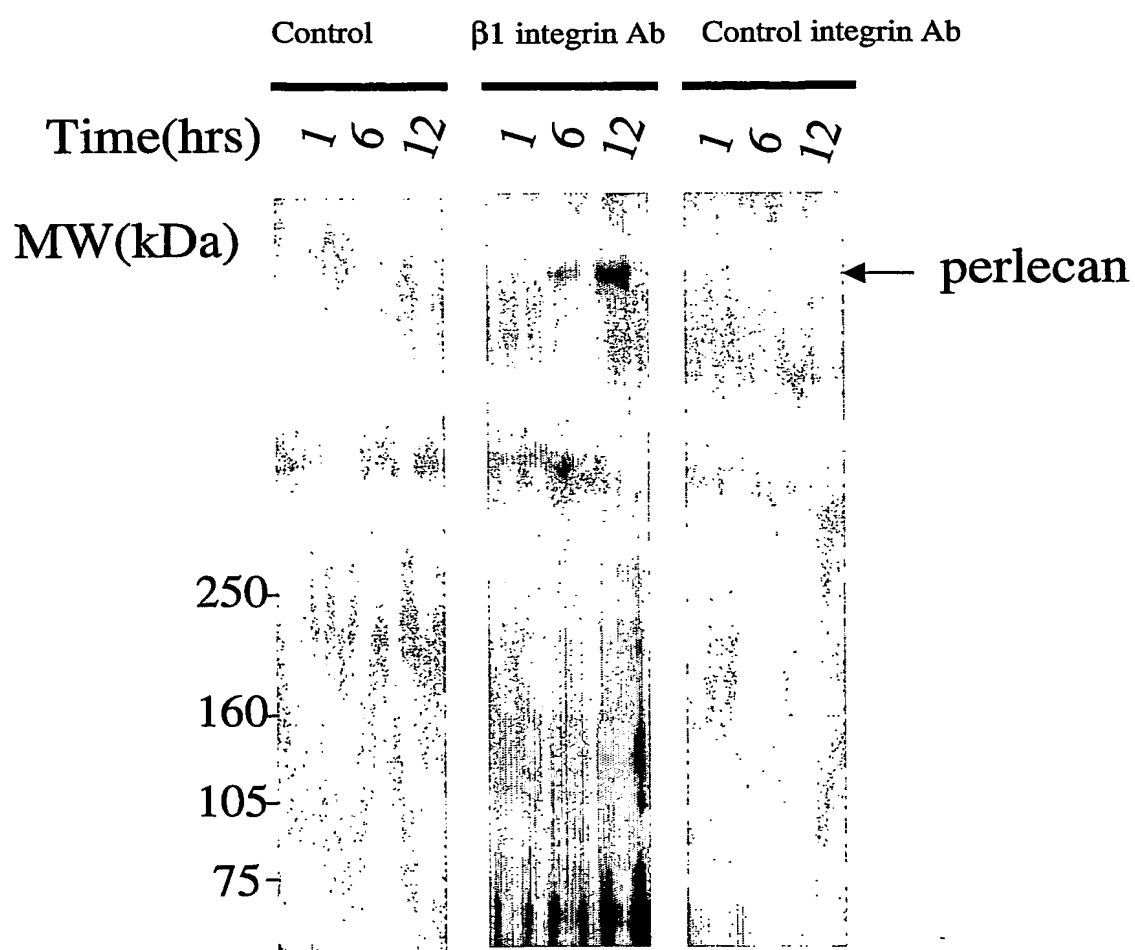


**Figure 1. The effect of  $\beta 1$  integrin functional modification on proteoglycans in H441 cells**

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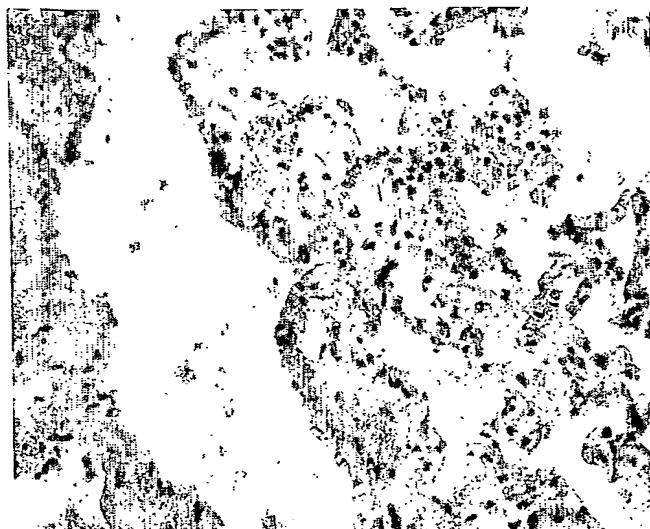
**Figure 2**

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**Figure 3.** The effect of  $\beta 1$  functional modification on perlecan expression in human lung explants.

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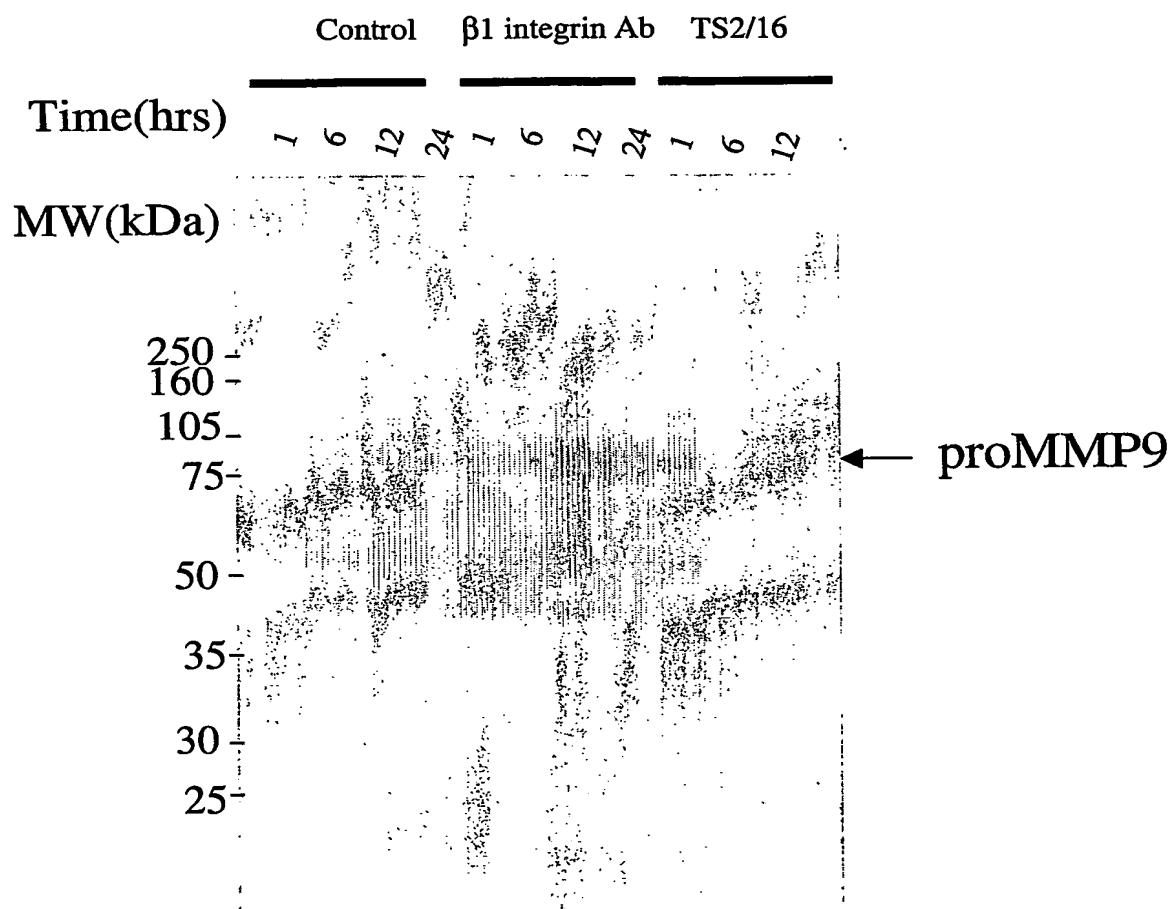
**Control**



**$\beta 1$  integrin Ab**

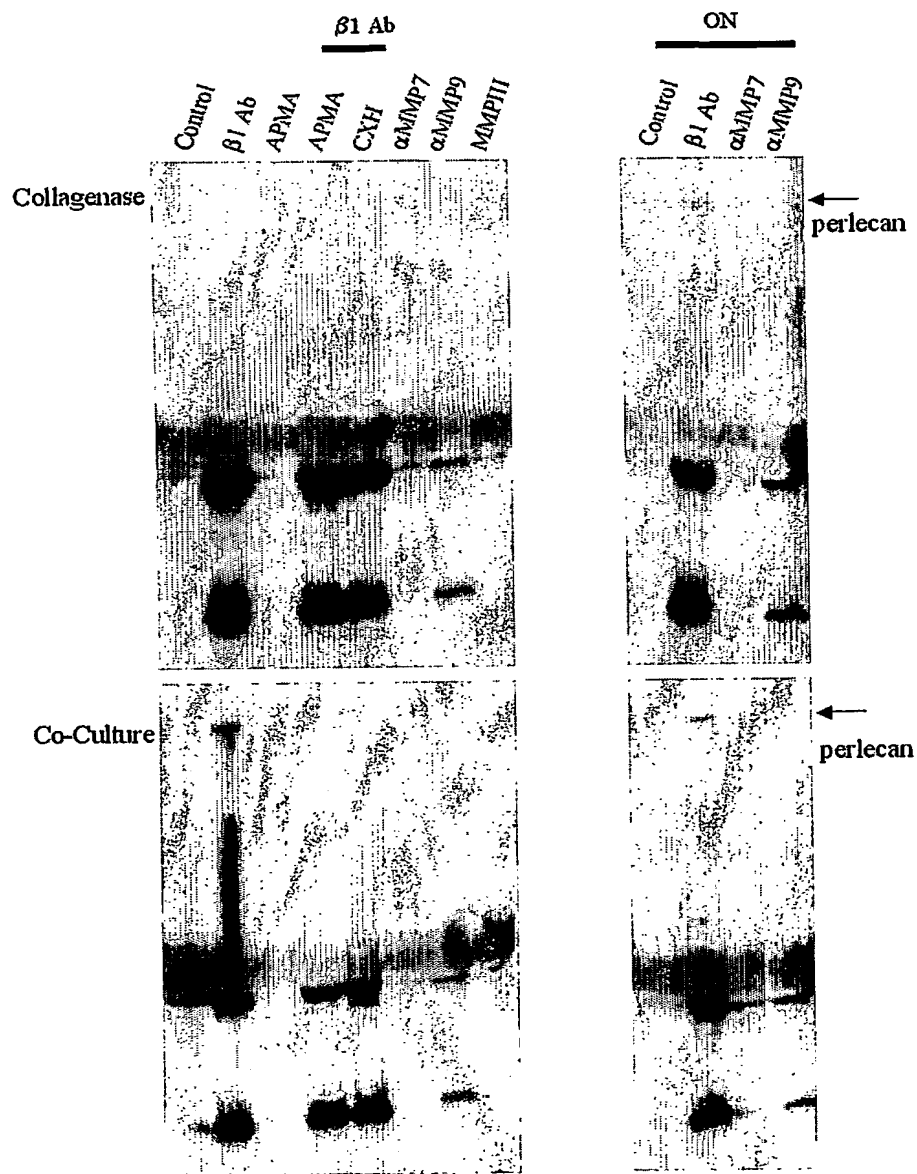
**Figure 4. The effect of  $\beta 1$  functional modification on perlecan expression in human lung explants.**

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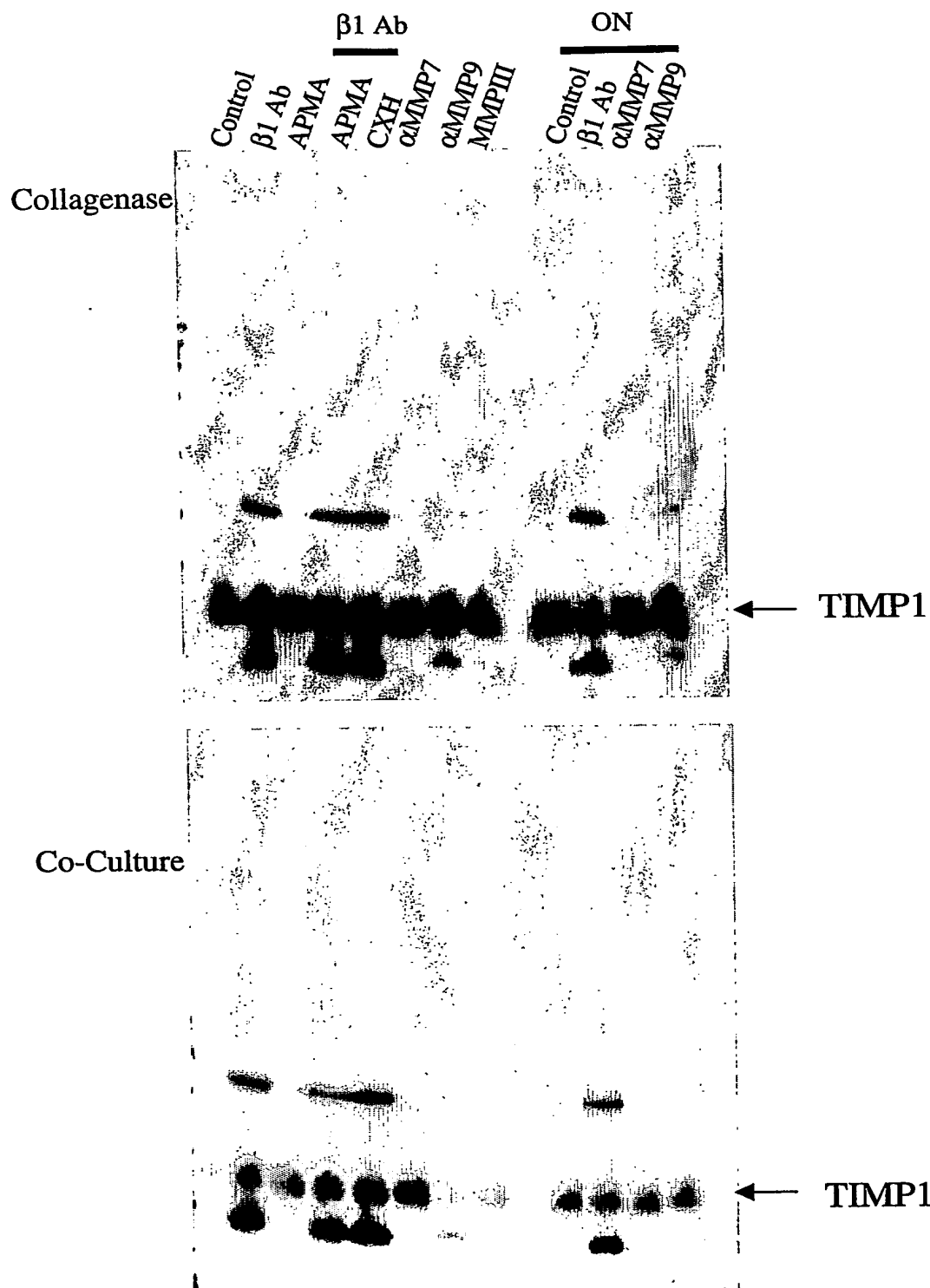
**Figure 5. The effect of  $\beta$ 1 integrin functional modification on MMP9 in human lung explants**

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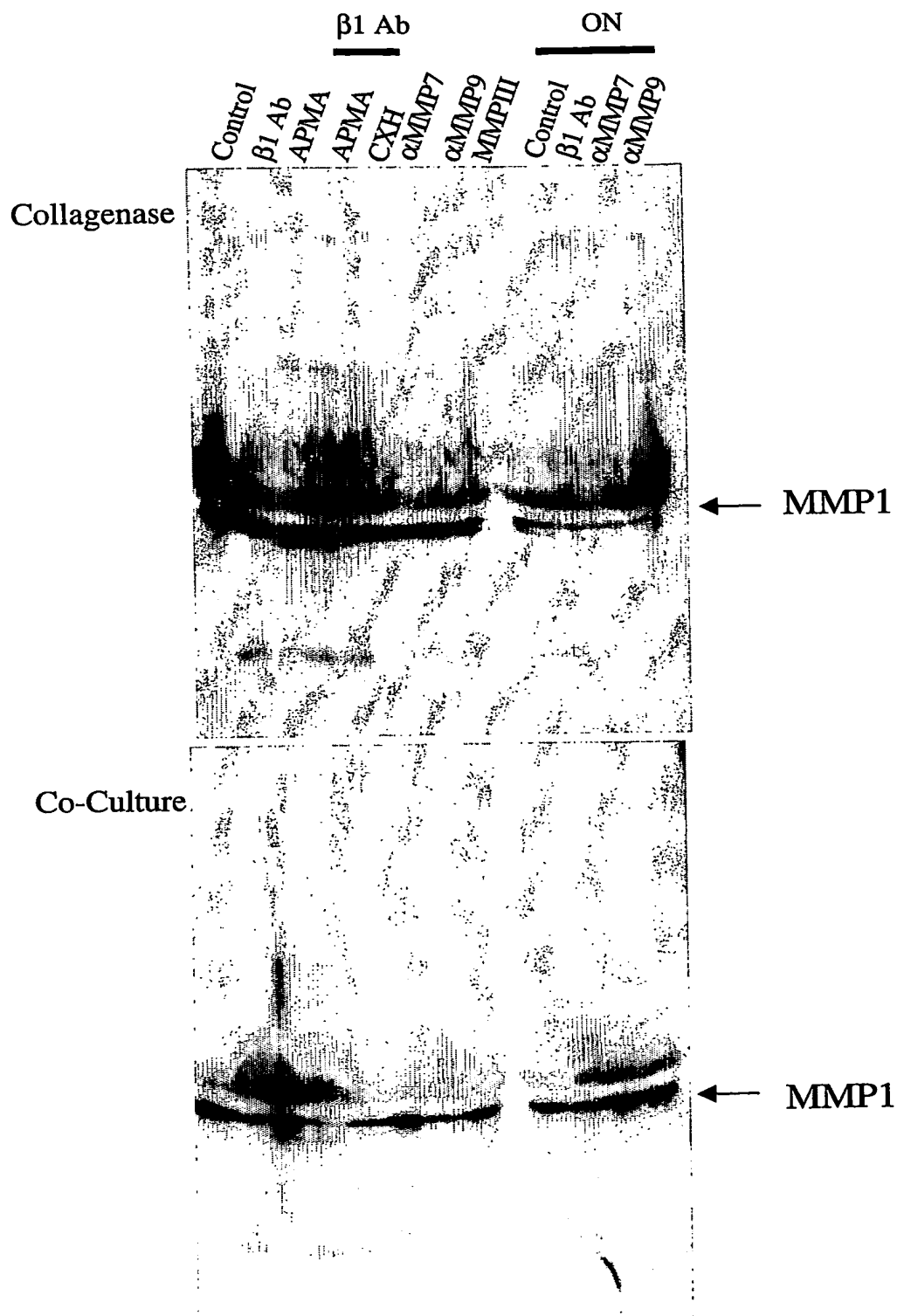
**Figure 6. The effect of  $\beta 1$  integrin functional modification on perlecan in cultured human lung cells**

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**Figure 7. The effect of β1 integrin functional modification on TIMP1 in cultured human lung cells**

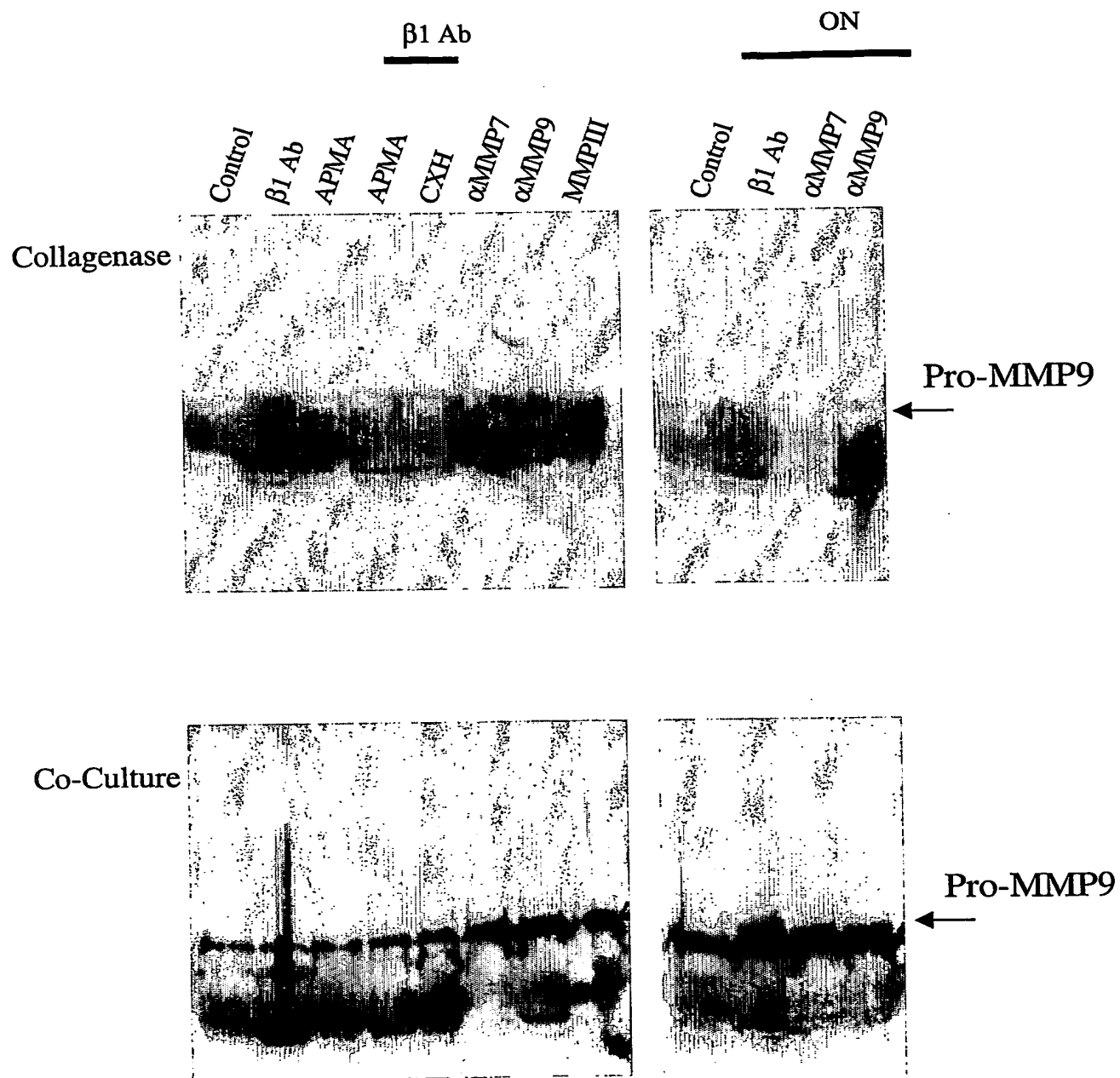
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**Figure 8. The effect of  $\beta 1$  integrin functional modification on MMP1 in cultured human lung cells**

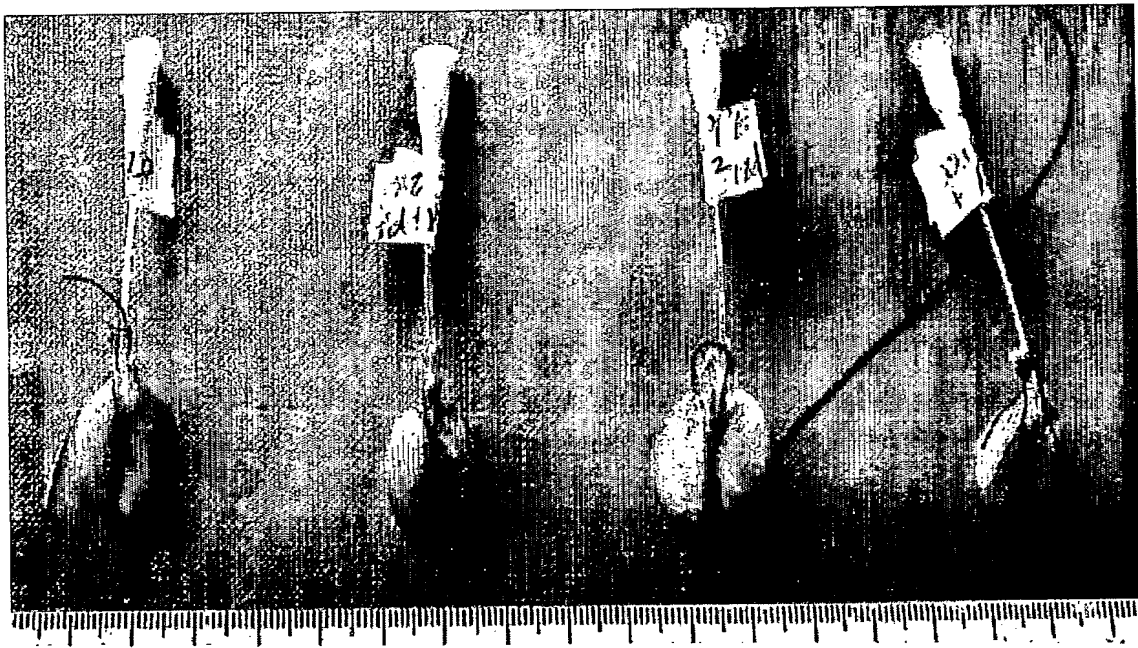


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**Figure 9. The effect of  $\beta 1$  integrin functional modification on MMP9 in cultured human lung cells**

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**Control**

**3.5 U PPE**

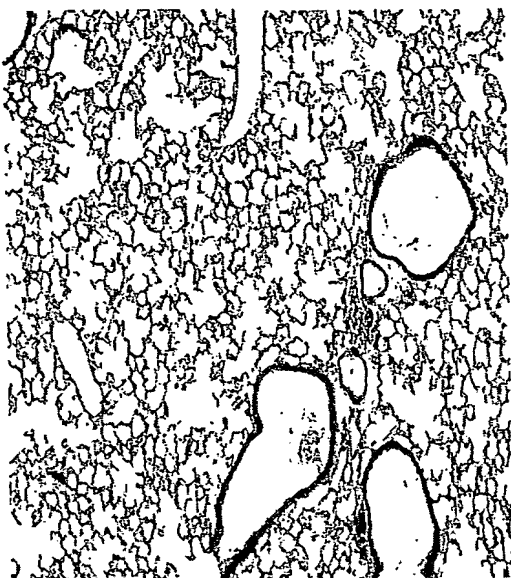
**19.5 U PPE**

**19.5 U PPE  
+ anti  $\beta$ 1 integrin**

**Figure 10. The effect of b1 integrin modulation on emphysematous lungs**

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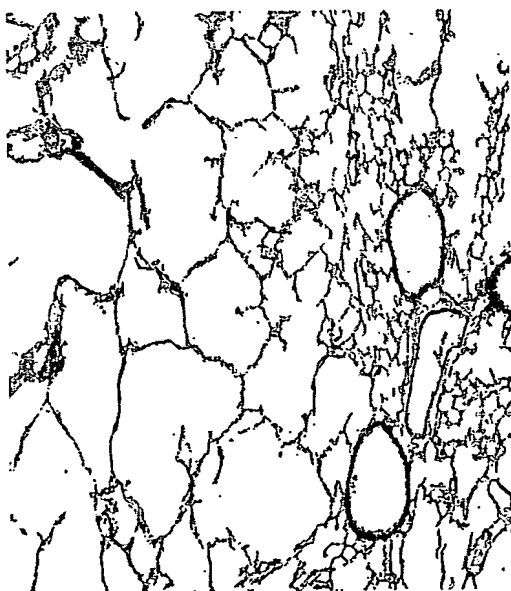
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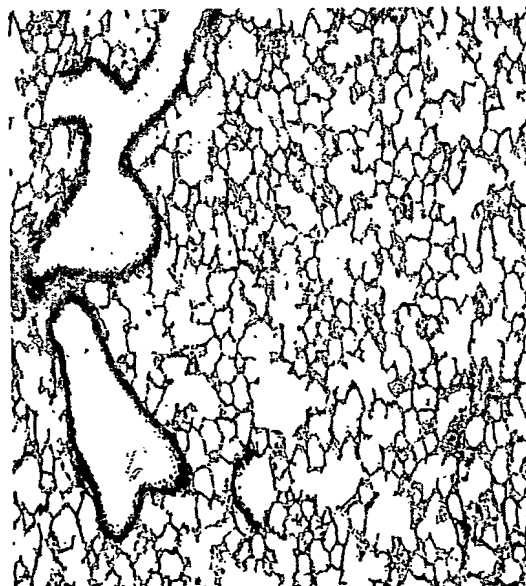
**PPE 19.5 U (10d)**



**PPE 19.5 U (19d)**

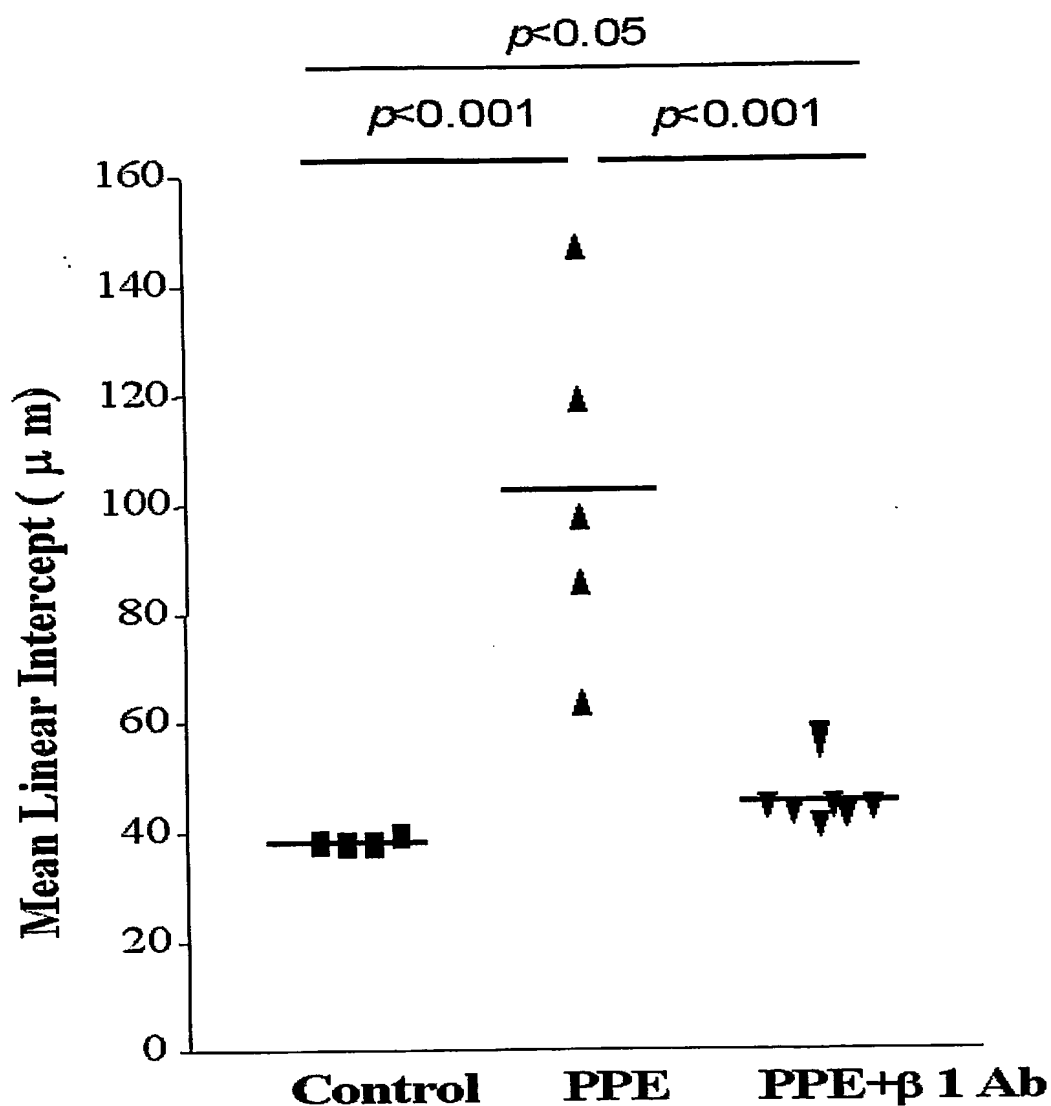


**PPE + anti  $\beta$ 1 integrin**



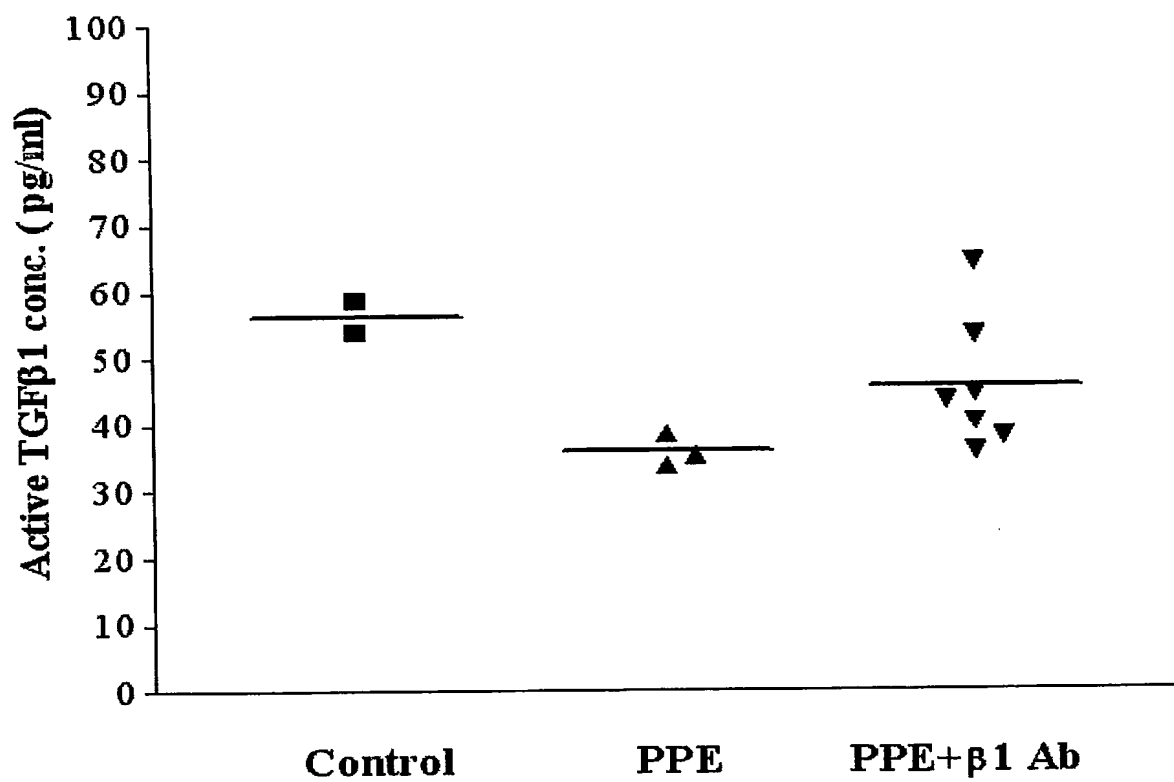
**Figure 11.**

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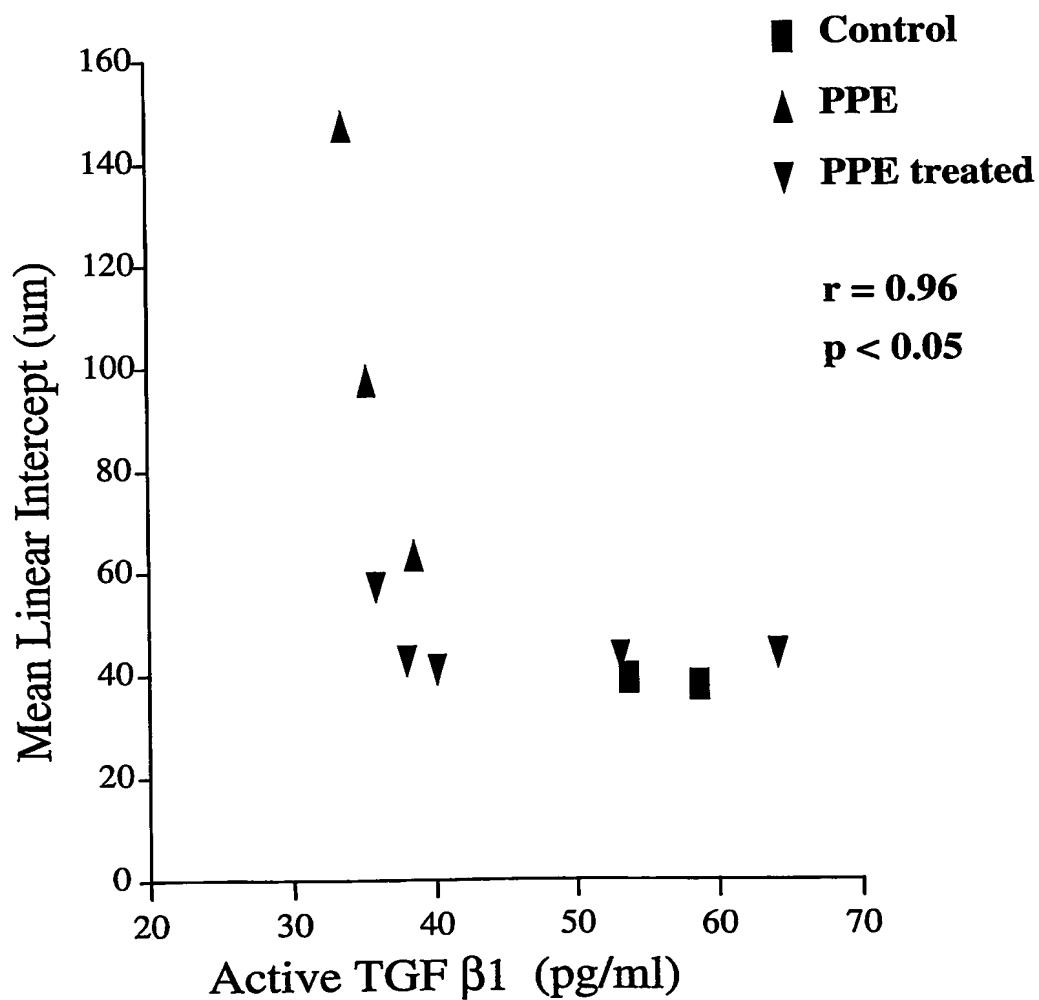
**Figure 12.** The effect of beta 1 integrin antibody on a space enlargement in elastase-induced emphysema in mice

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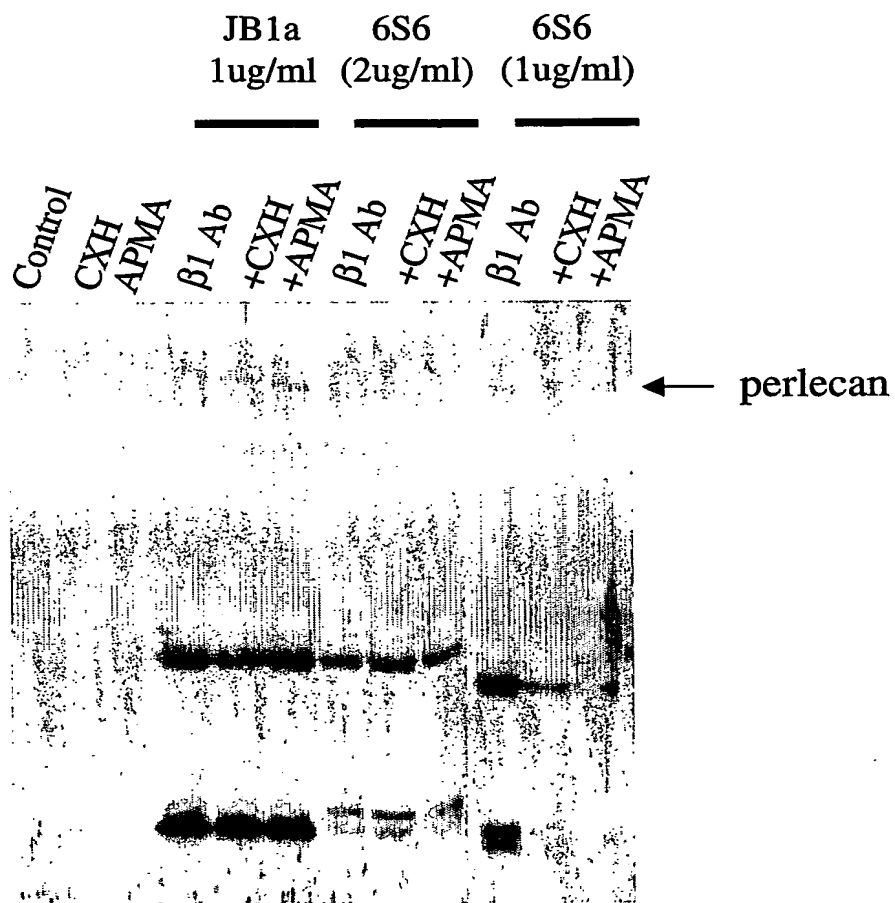
**Figure 13. The effect of β1 integrin antibody on TGFβ1 levels in BAL fluid in elastase-induced emphysema in mice**

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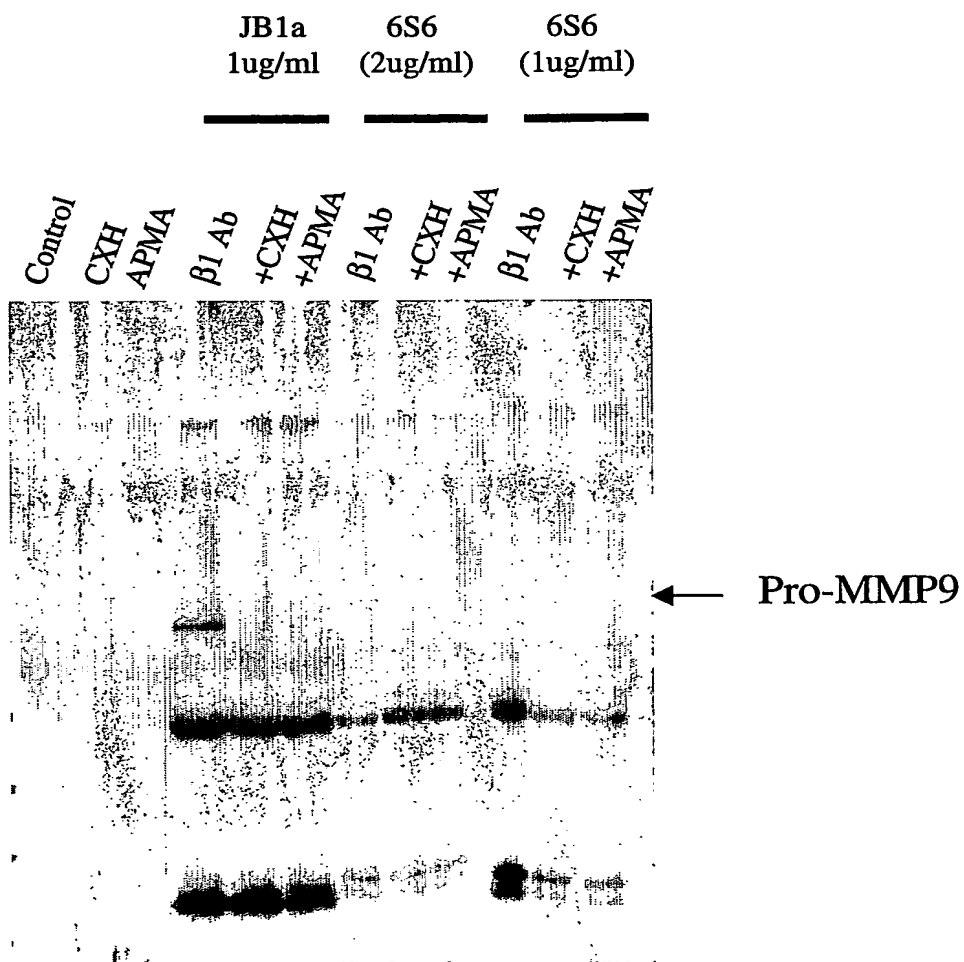
**Figure 14. The relationship between airspace enlargement and TGF beta 1 levels in BAL fluid in mice**

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**Figure 15. The effect of  $\beta$ 1 integrin functional modification on perlecan in NCI-H441 human lung epithelial cell line**

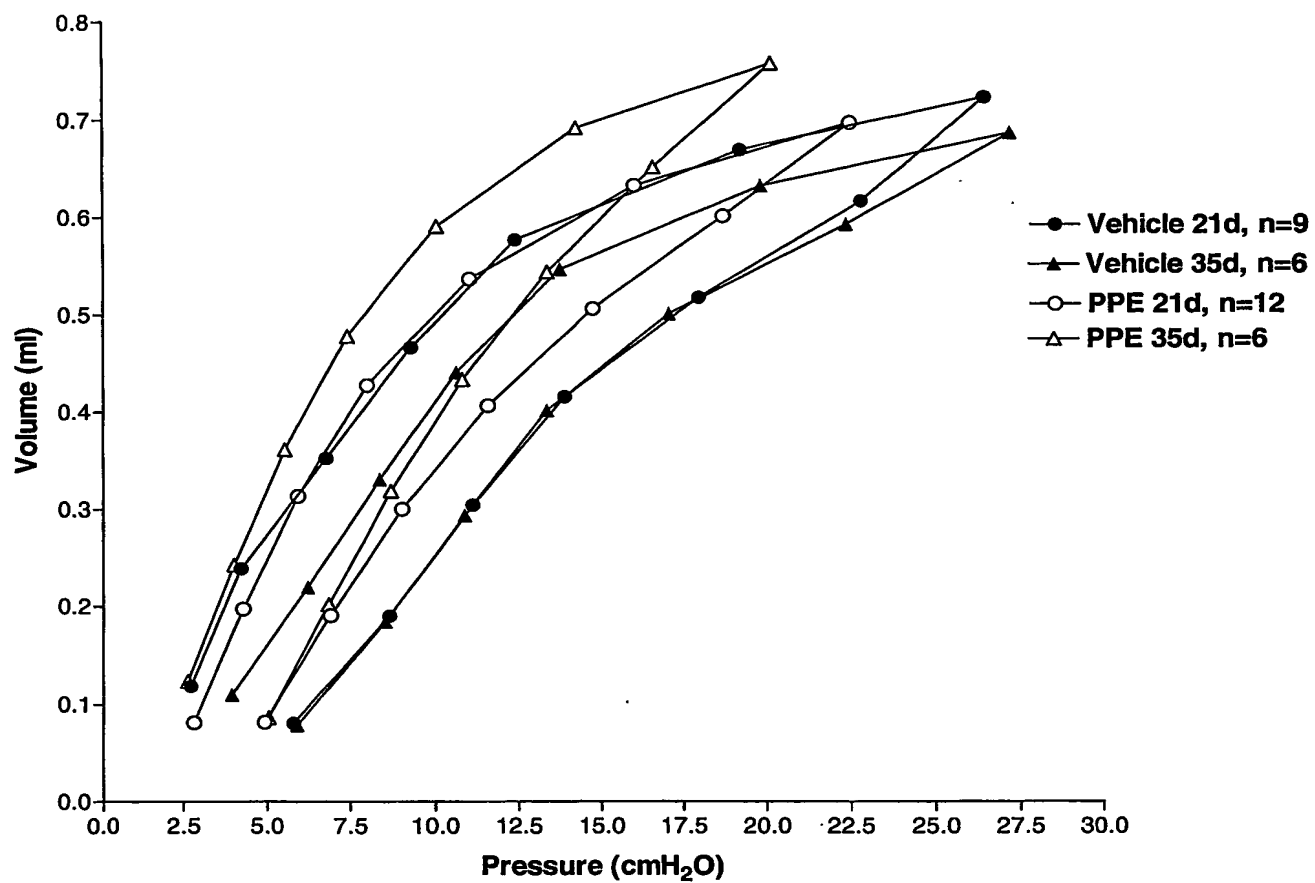
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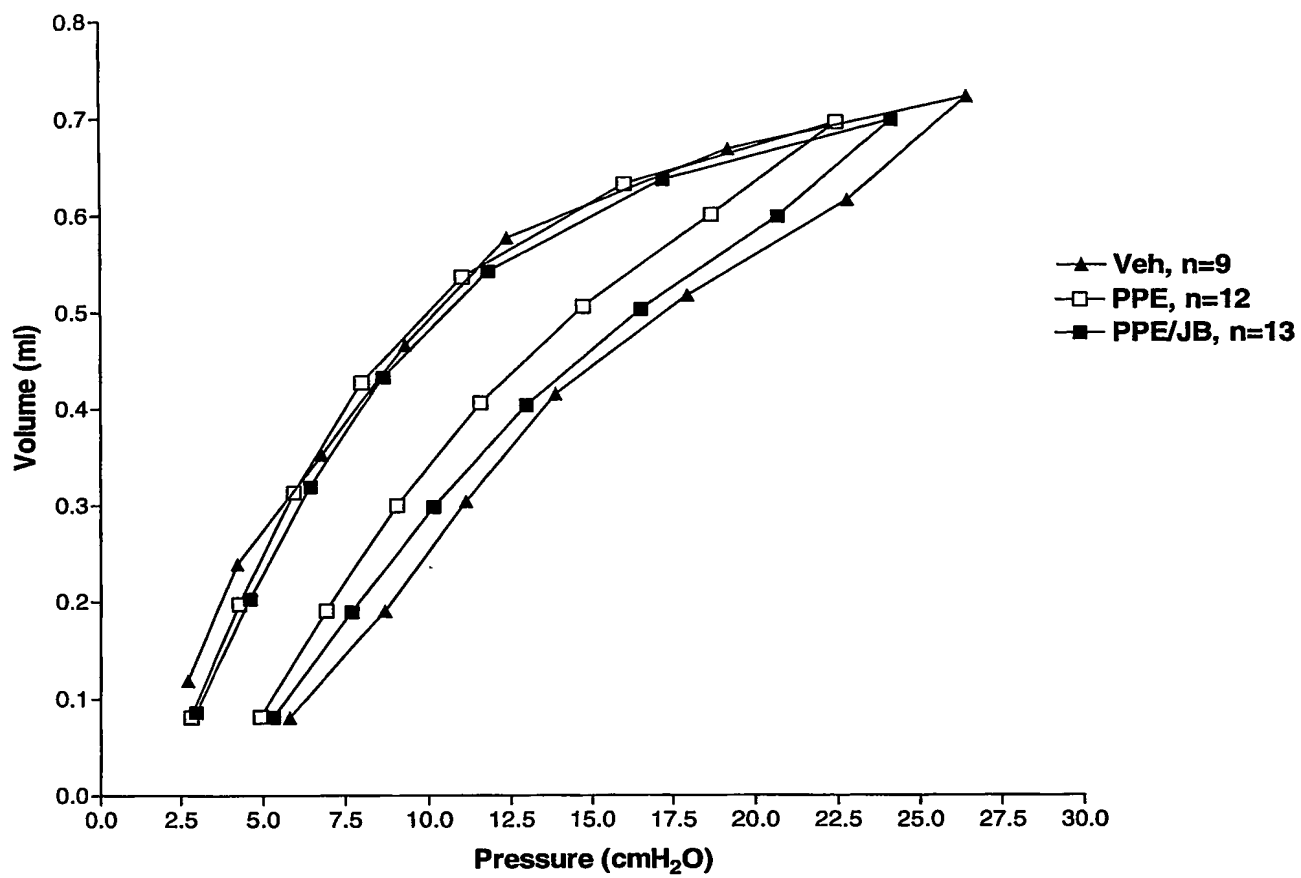
**Figure 16. The effect of  $\beta 1$  integrin functional modification on inactive MMP9 in NCI-H441 human lung epithelial cell line**



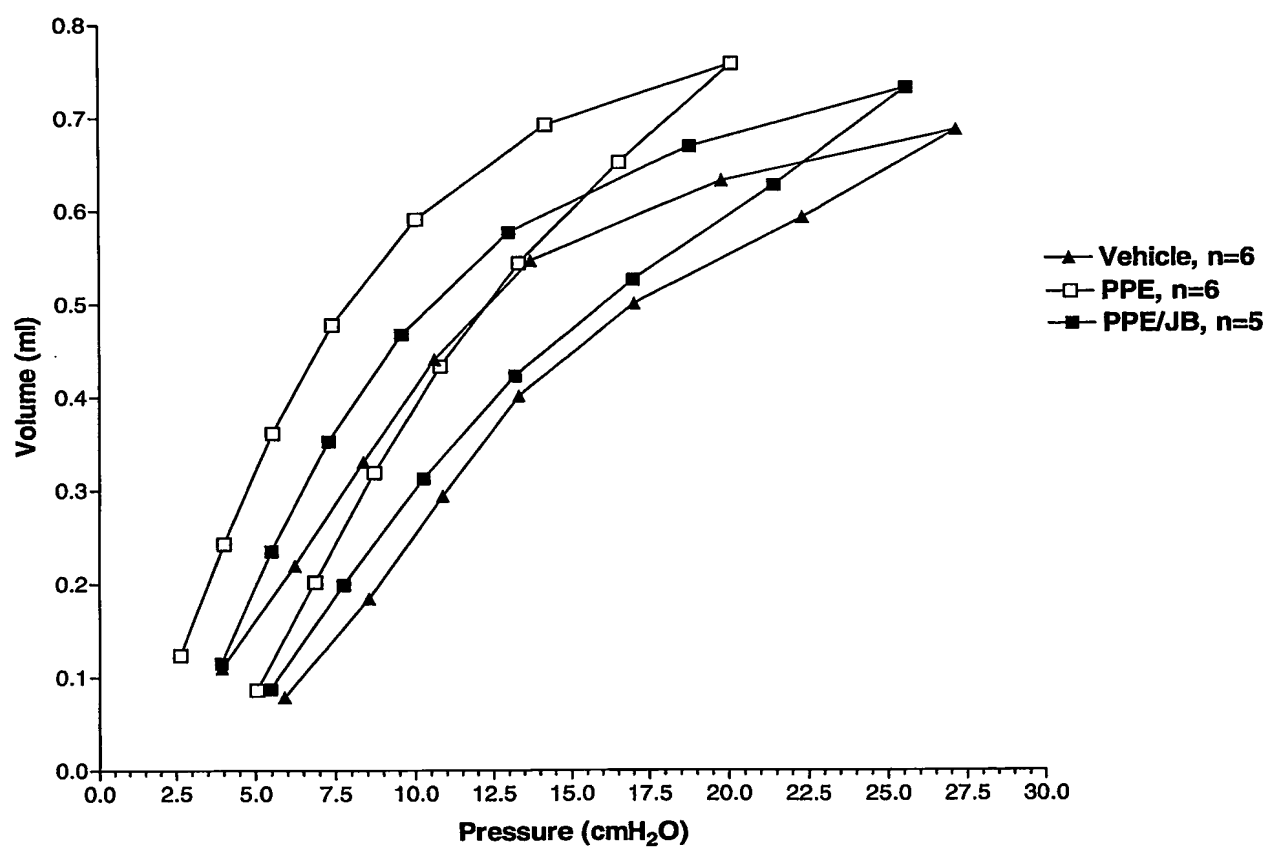
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**Figure 17**

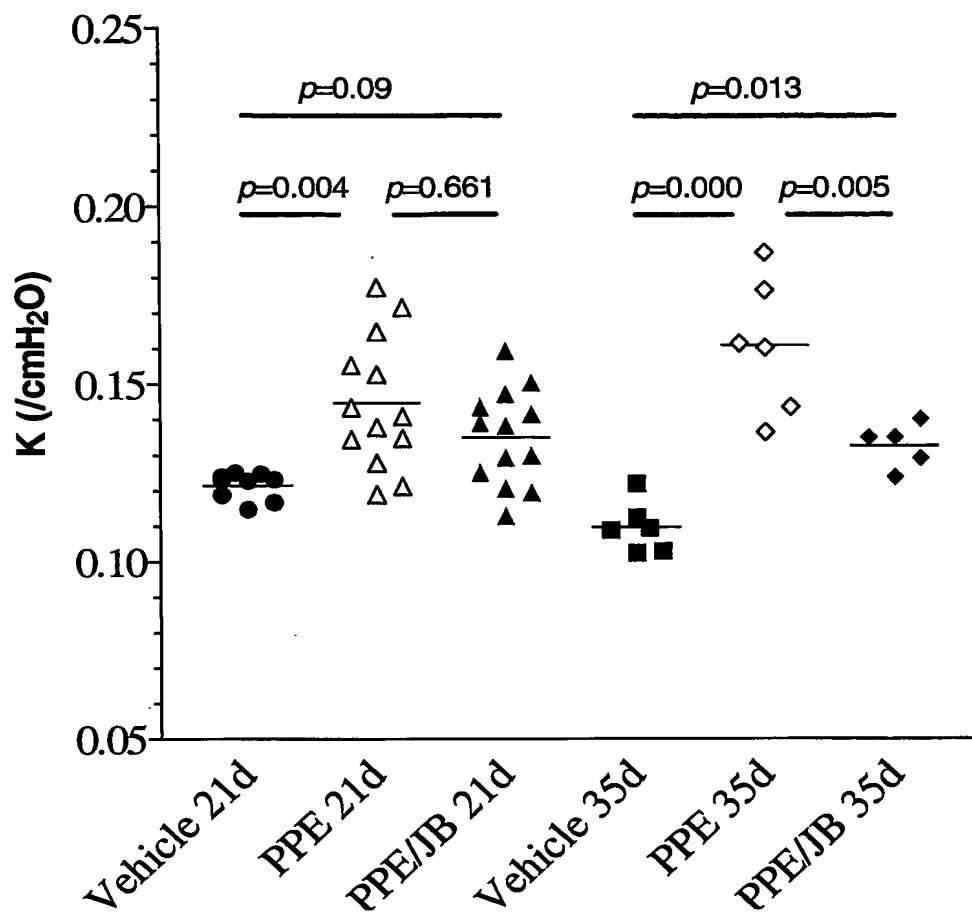
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**Figure 18**

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**Figure 19**

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**Figure 20**

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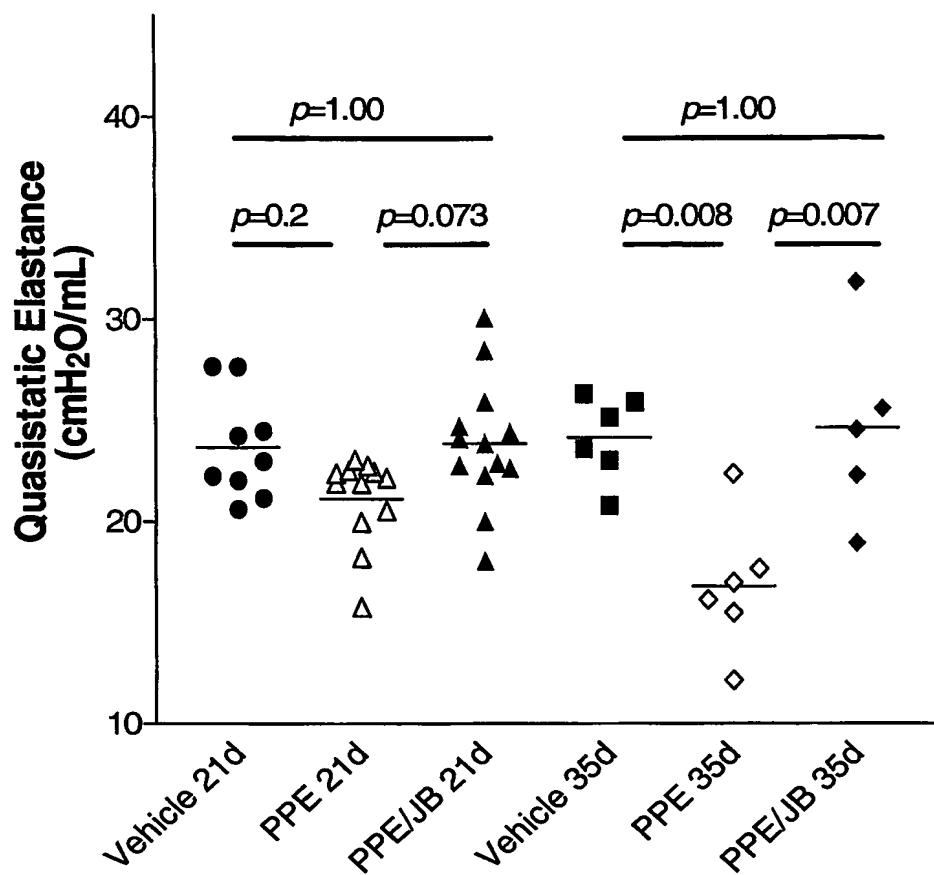


Figure 21

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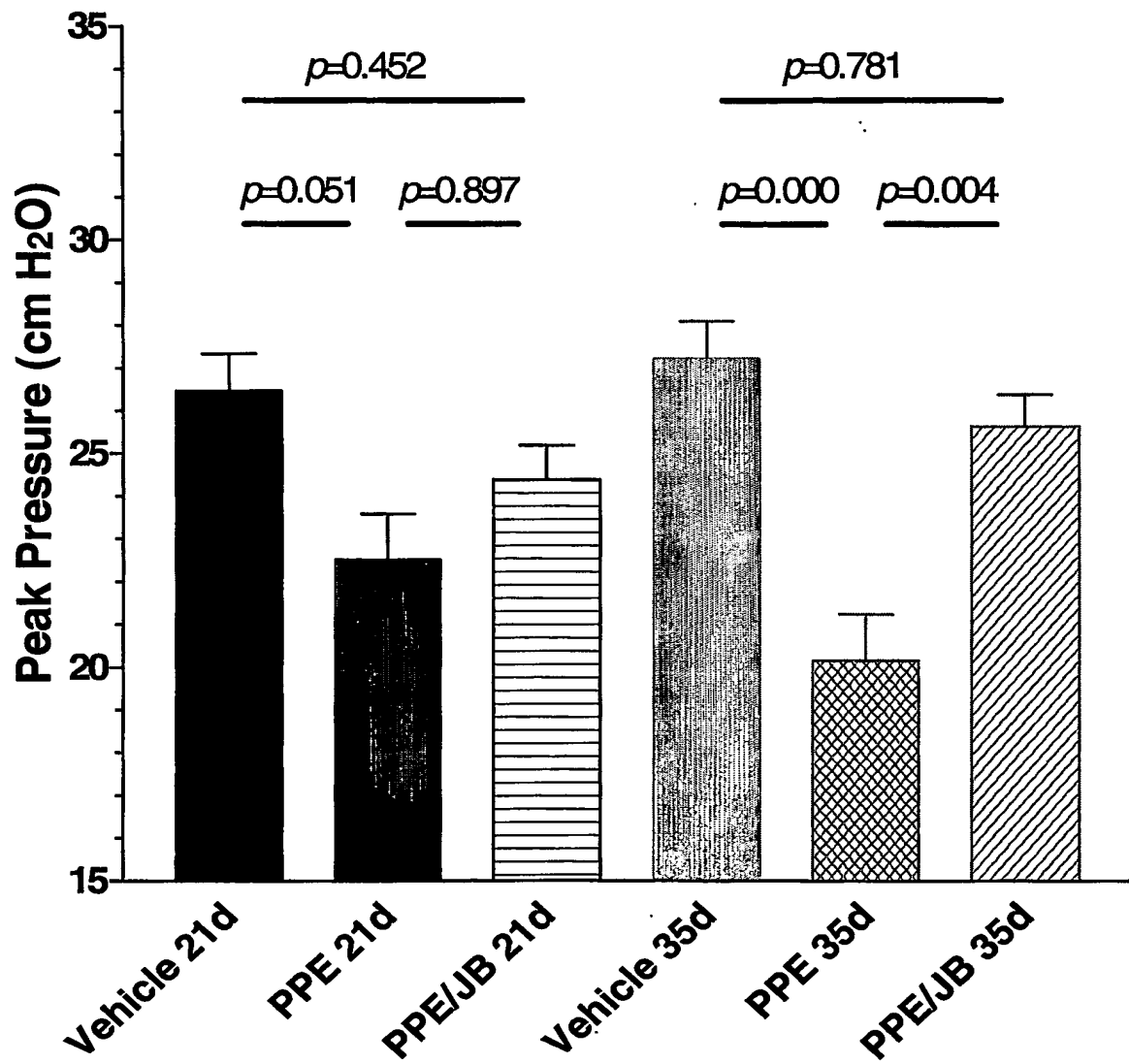
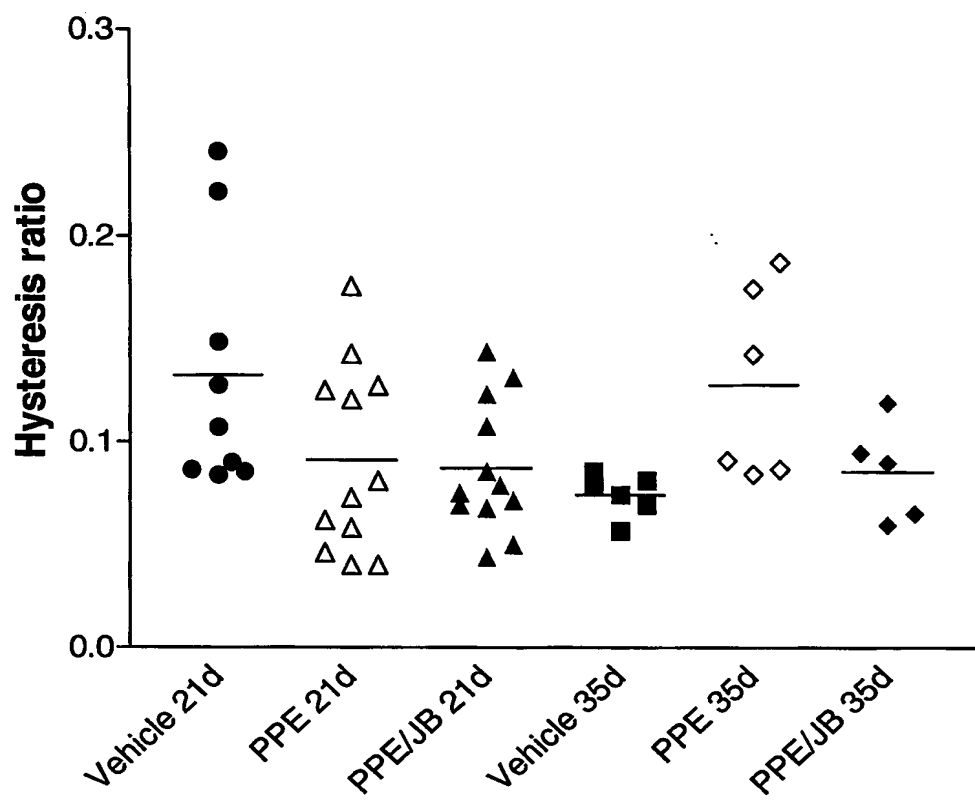
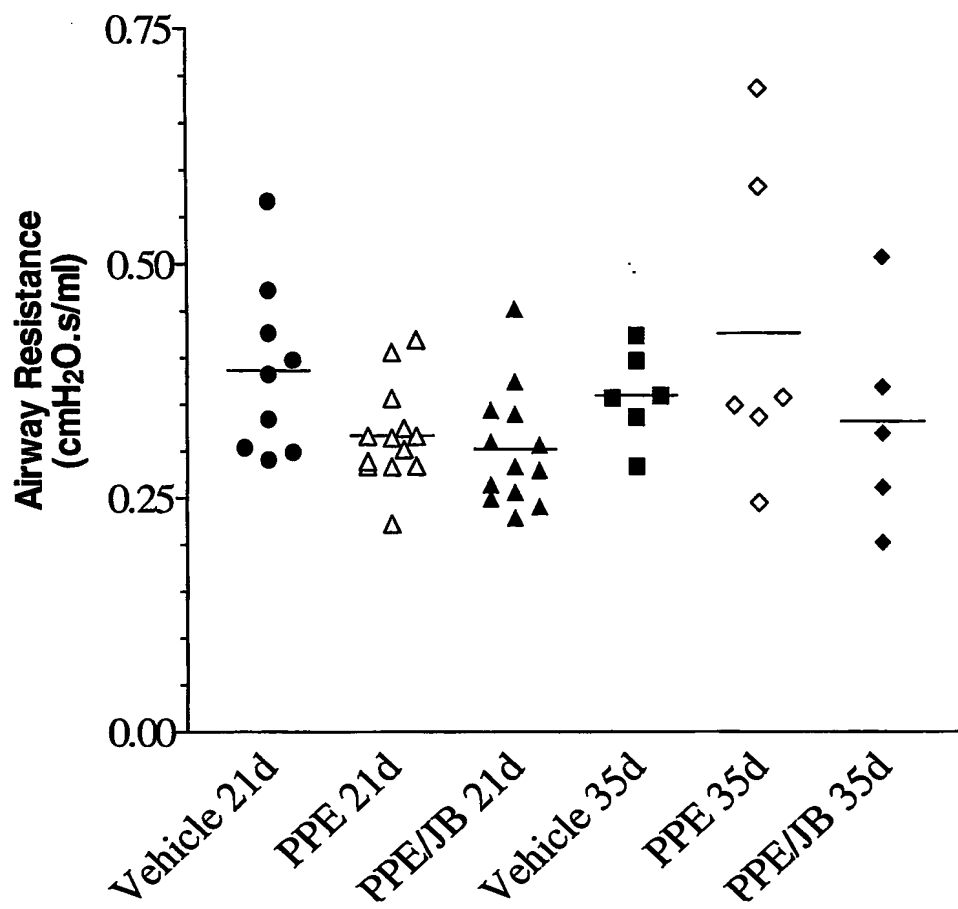


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**Figure 23**

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**Figure 24**



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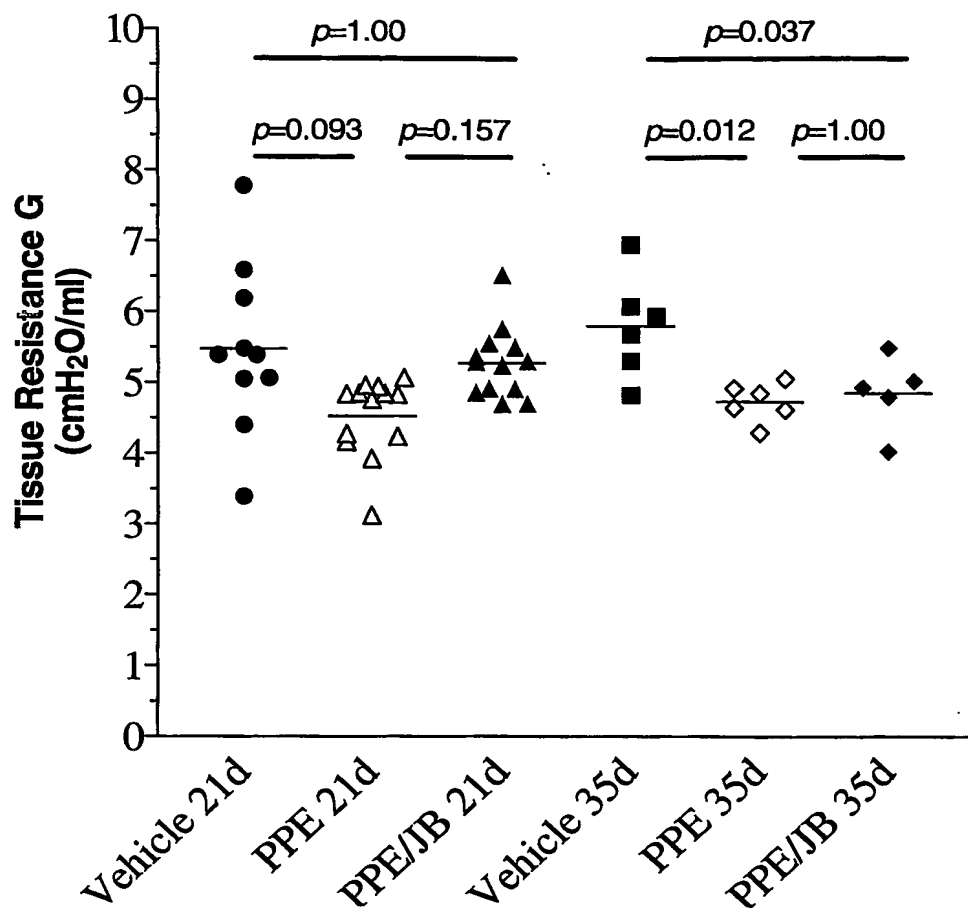
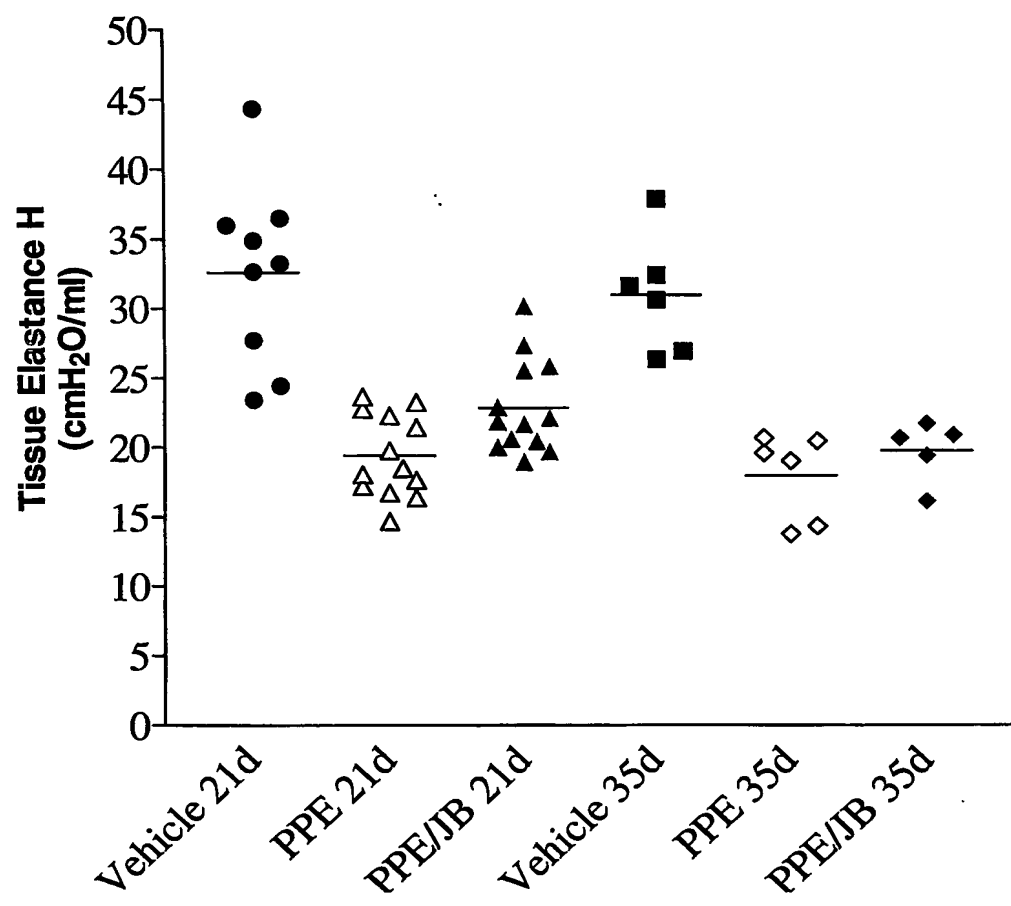


Figure 25

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**Figure 26**

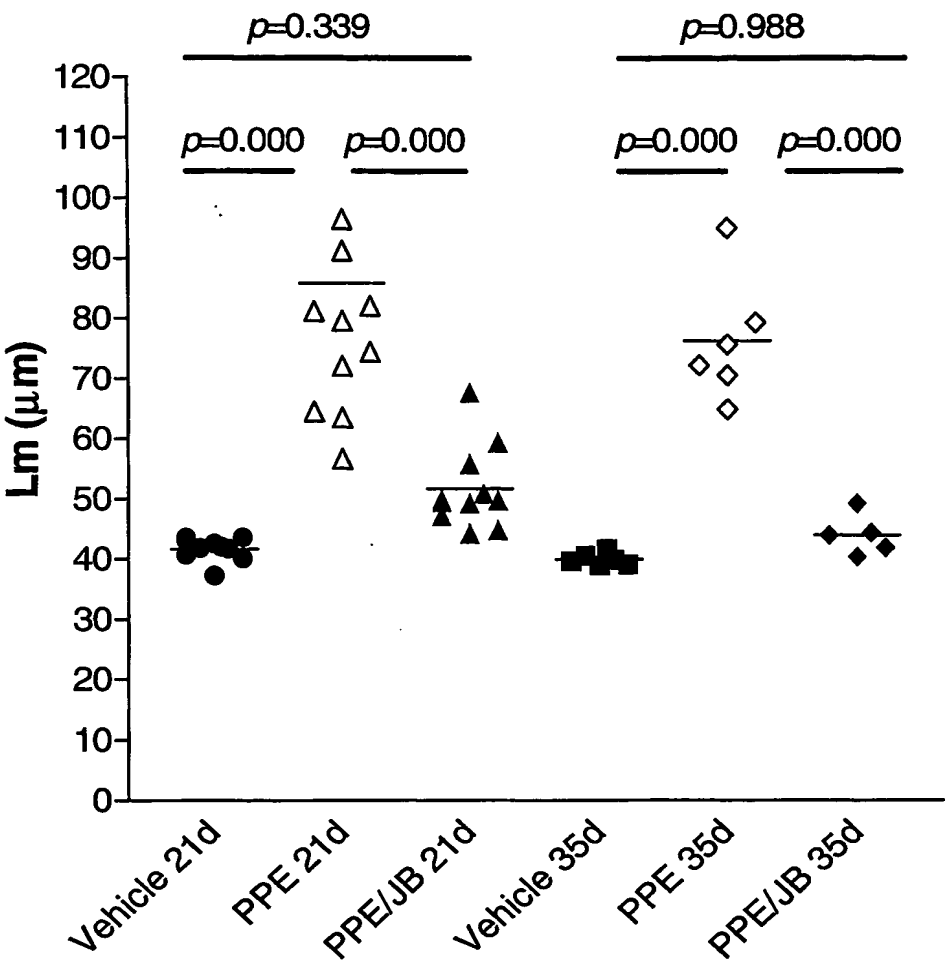


Figure 27

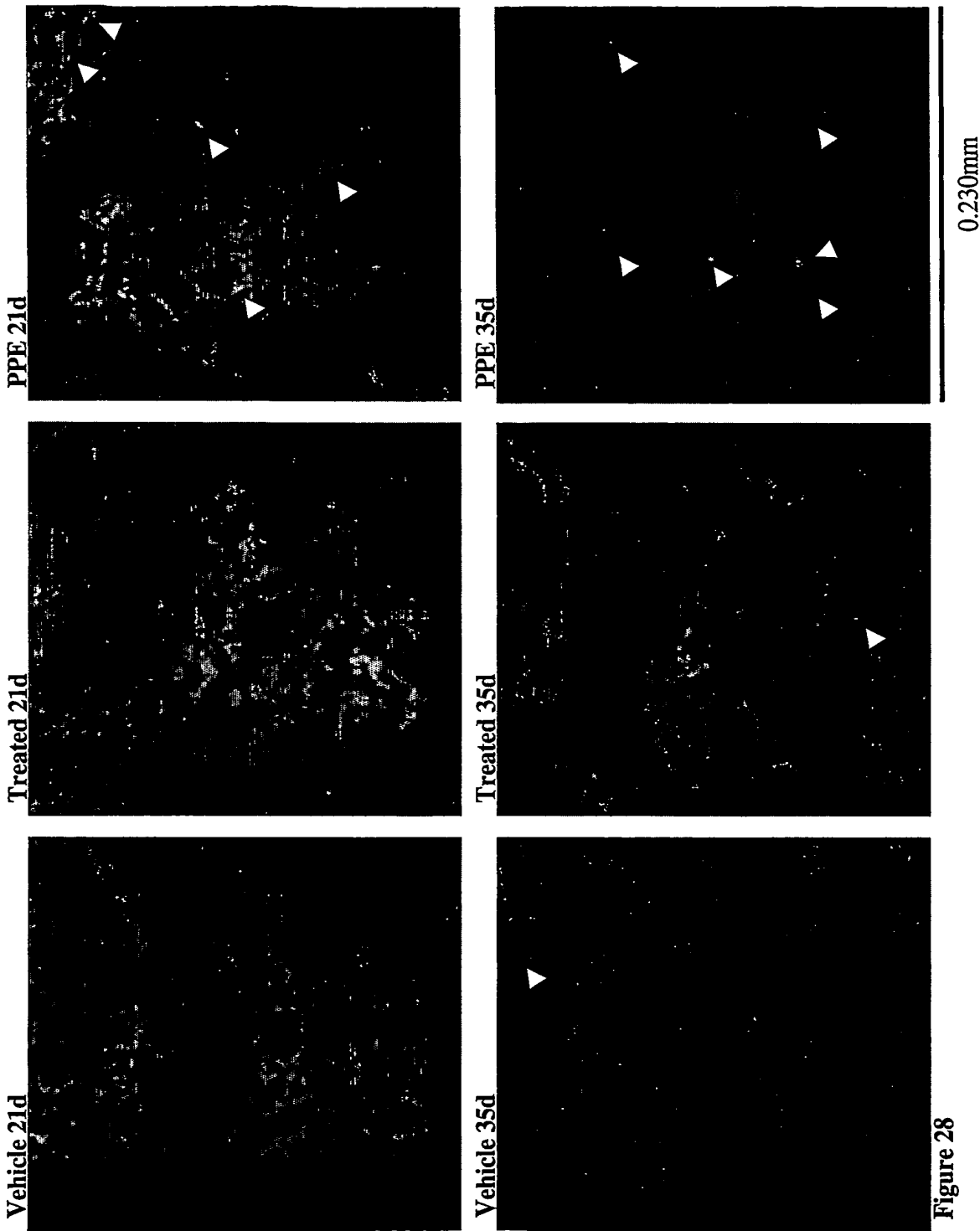


Figure 28

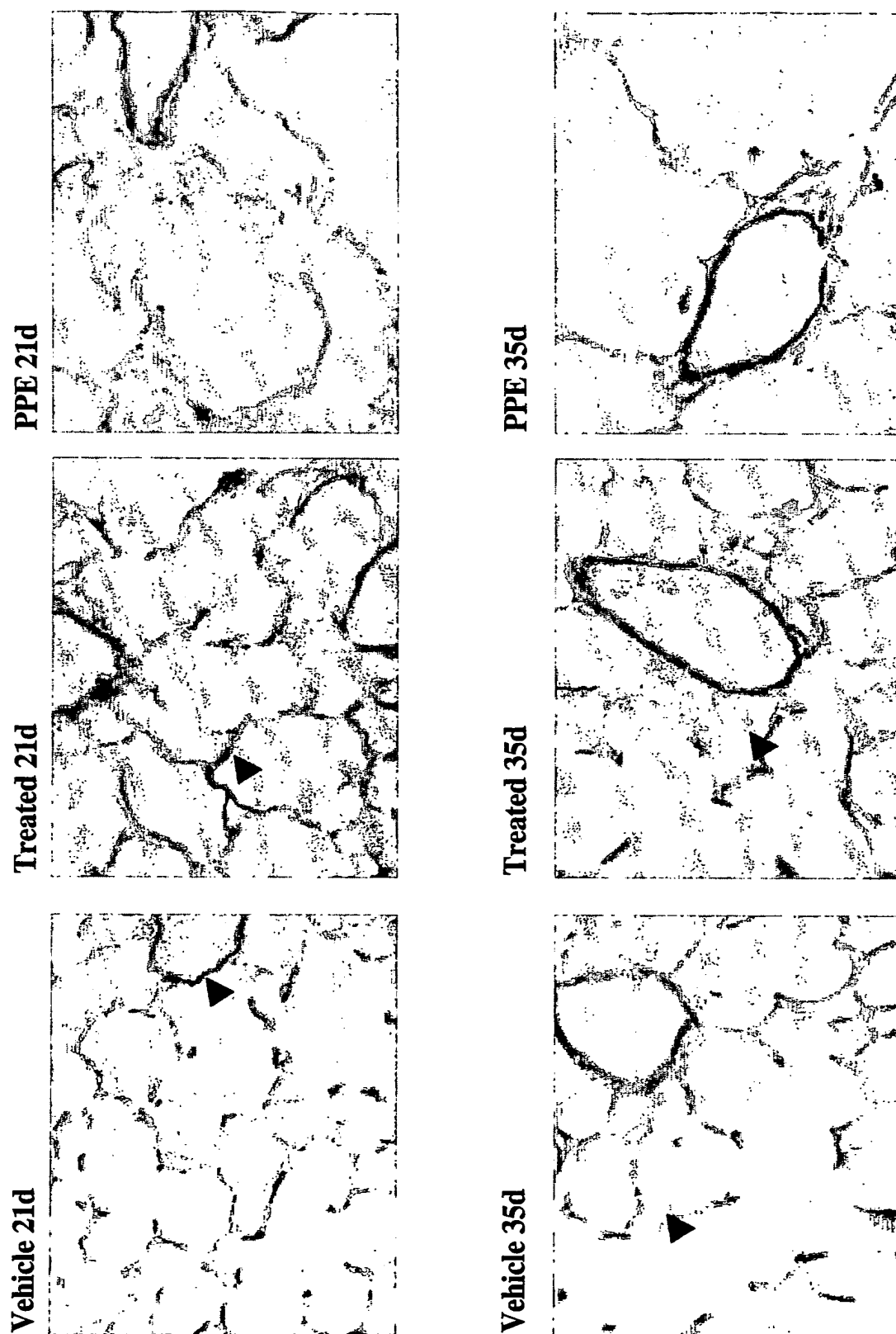


Figure 29

		Kl	Raw	G	H	Lm	Quasi-static Elastance	Peak Pressure
K	Pearson Correlation	1.000	0.156	-0.358	-0.693	0.605	-0.648	-0.743
	Sig. (2-tailed)		0.269	0.009	0.000	0.000	0.000	0.000
	N	52	52	52	52	49	51	51
Raw	Pearson Correlation	0.156	1.000	-0.023	-0.007	-0.063	-0.184	0.037
	Sig. (2-tailed)			0.874	0.963	0.666	0.195	0.798
	N	52	52	52	52	49	51	51
G	Pearson Correlation	-0.358	-0.023	1.000	0.721	-0.556	0.429	0.072
	Sig. (2-tailed)	0.009	0.874		0.000	0.000	0.002	0.618
	N	52	52	52	52	49	51	51
H	Pearson Correlation	-0.693	-0.007	0.721	1.000	-0.544	0.455	0.405
	Sig. (2-tailed)	0.000	0.963	0.000		0.000	0.001	0.003
	N	52	52	52	52	49	51	51
Lm	Pearson Correlation	0.605	-0.063	-0.556	-0.544	1.000	-0.573	-0.600
	Sig. (2-tailed)	0.000	0.666	0.000	0.000		0.000	0.000
	N	49	49	49	49	50	48	48
Quasi-static Elastance	Pearson Correlation	-0.648	-0.184	0.429	0.455	-0.573	1.000	0.591
	Sig. (2-tailed)	0.000	0.195	0.002	0.001	0.000		0.000
	N	51	51	51	51	48	51	51
Peak Pressures	Pearson Correlation	-0.743	0.037	0.072	0.405	-0.600	0.591	1.000
	Sig. (2-tailed)	0.000	0.798	0.618	0.003	0.000	0.000	
	N	51	51	51	51	48	51	51

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

Figure 30 – Table 1